

## Product Information

### OPSS agent, Lentinan-PEG-orthopyridyl disulfide, Purity $\geq 95\%$

**Cat. No.:** X25-05-YM795

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

**Synonym:** Lentinan-PEG-orthopyridyl disulfide; Orthopyridyl disulfide-PEG-Lentinan

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	Lentinan-PEG-OPSS, referred to as OPSS-lentinan, represents a disulfide-reactive conjugate created through orthopyridyl disulfide group conjugation to lentinan's $\beta$ -1,3-1,6-glucan <i>via</i> PEG spacers. The thiol-cleavable system enables redox-sensitive drug release while preserving lentinan's immunomodulatory profile and DPPS fusogenicity.
<b>Glycan Structure</b>	Its glycan structure is a $\beta$ -(1→3)-linked d-glucose backbone with $\beta$ -(1→6)-glucosyl side branches.
<b>Source</b>	Chemical synthesis
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq 95\%$
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Solubility</b>	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
<b>Identity</b>	Confirmed by NMR.
<b>Stability</b>	It is stable under its storage temperature.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Lentinan-PEG-orthopyridyl disulfide can be used for its potential to investigate disulfide bond dynamics using orthopyridyl disulfide redox-responsive linkers.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , protect from light and moisture.